



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090199

Mode: Highway

Status: Submitted

US-701 BUS

From/Cross Street: NC 24 Relocation

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1924

Project Category: Regional Impact

Length: 4.2

TIP#: R-2821

Fully Funded in Draft STIP? No

Cost to NCDOT: \$30,564,000

Description:

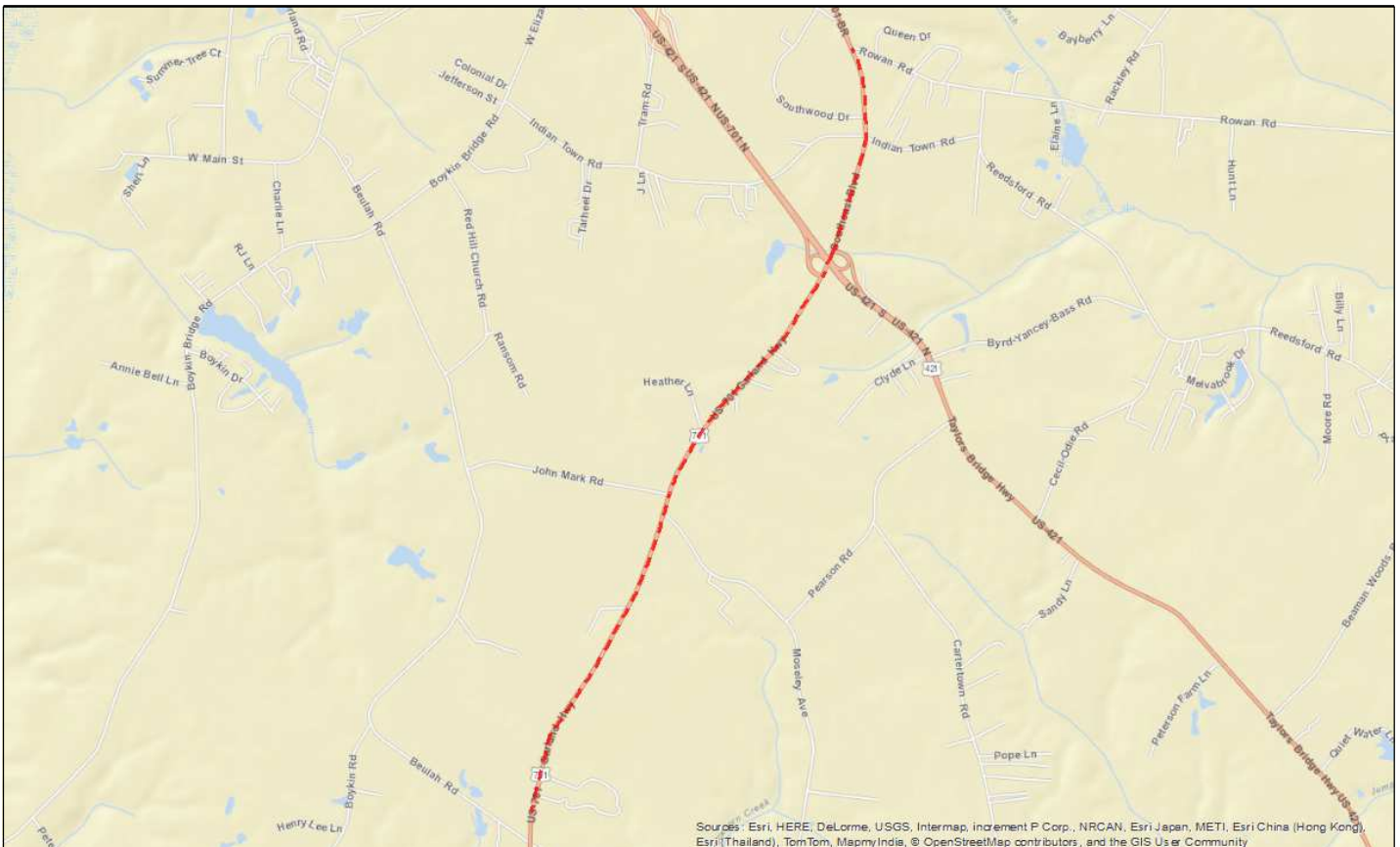
NC 24 Relocation to SR 1924. Widen to Multi-Lanes.

Division(s): Division 3

County(s): SAMPSON

MPOS(s)/RPO(s): Mid-Carolina RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 23.69

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 0.08 Safety (25%) 31.62 Multimodal + [Freight & Military] (25%) 3.08	Percent: 15% Points: 0	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 8.69		

Division Needs Total Score: 36.56

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 24.65 Safety (20%) 31.62 Multimodal + [Freight & Military] (10%) 3.08	Percent: 25% Points: 0	Percent: 25% Points: 100
Totals: Weight: 50% Weighted Score: 11.56		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	4.2
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	5797.04
Capacity:	15576.86
Volume/Capacity Ratio:	0.37
% Autos:	89%
% Trucks:	11%
Truck Volume:	615.64
Crash Density:	47.91
Crash Severity:	17.83
Critical Crash Rate:	29.15
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	68
Actual Congested Speed:	50.36
Travel Time Index:	1.04

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	52
Length (miles):	4.2
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	109671.45
Travel Time Savings for 30 Years (Autos):	98024.51
Travel Time Savings for 30 Years (Trucks):	11646.94
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Mid-Carolina RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$19,380,000	TIP Unit
Right-of-Way Cost:	\$9,986,000	Cost Estimation Tool
Utilities Cost:	\$1,198,000	Cost Estimation Tool
Total Project Cost:	\$30,564,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$30,564,000	